


Remarks

In accordance with 37 C.F.R. 1.121(b), a marked-up version of the amended abstract is provided on a page separate from this amendment. In addition, a substitute page 27 of the specification is provided containing a clean copy of the new Abstract of disclosure.

Support for the amended Abstract can be found in the original Abstract as well as the claims of the application. By this amendment, applicants limit the Abstract to less than 150 words as required in the Notice to File Corrected Application Papers, and additionally submit the Abstract on a separate substitute page 27 in compliance with the Notice of Incomplete Reply attached herewith.

Applicants respectfully request entrance of this amendment and allowance of all claims pending herein. Should the Examiner have any questions regarding this application, the Examiner is invited to call applicants' undersigned representative.

Respectfully submitted,


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Marked-Up Version of Abstract of the Disclosure

Abstract of the Disclosure

This invention is [relates to] a contactless label chipcard including payment and identification information and a check-out system including a contactless reader for reading and updating payment information stored in that label chipcard. The contactless label chipcard is attached to a product, and the system further includes a device for reading and initiating updating of the payment status resident on the chipcard. The device includes the contactless reader for reading information stored in the contactless label chipcard, and a component for generating an invoice based on the information received from the contactless label chipcard. Further, the device includes a component for checking payment of the invoice and a component for initiating update of the payment status. Corresponding methods and computer program products are all also provided. [According to this invention all articles offered in a store are labeled with a contactless label chipcard. In the memory of the label chipcard at least product identification information (number) and payment status information (paid or no paid) are stored. In a further embodiment of the present invention the chipcard stores additionally product price information as well an authentication key. For carry out that invention the check-out system requires an additional computer program which executes the communication between the label chipcard and the check-out system inclusively the payment. Passing the

check-out system with the cart in which articles with attached label chipcards are placed a communication between contactless label chipcard and checkout system will be established. Preferably the communication is established over a radio field generated by a generator of the check-out system. Based on the information received from the label chipcard, the check-out system generates the invoice or bill and the payment status information for each article will be updated into PAID. Articles having the payment status not paid will be detected by a warning system which is part of the check-out system.

This invention allows buying articles without recording them manually by the cashier. This is more convenient for the customer as well the cashier. Furthermore, the customer does not have to unpack his cart and put all articles from the cart onto belt and back in his cart after the articles are scanned. Due to faster processing, less cashier systems and less personnel are necessary. In the case the customer scans the articles himself, the invention will be used to check the accuracy of the list scanned by the customer.]